

Residential Heat Pump Water Heater

The Market-Driven Solution to Efficient Electric Water Heating

A Product of  ECR International

The Watter\$aver Difference

Heat pump water heaters (HPWH) have been around for decades, but until now have never made an impact on the market. ECR has designed a fully integrated HPWH, the **Watter\$aver**, that is a drop-in replacement for a typical 50-gallon water heater. The heat pump portion is integral to the tank and shipped fully charged. The **Watter\$aver** is easy to install, needing only single trade installation.

Best of all, the **Watter\$aver** achieves performance and payback levels that make it an attractive replacement alternative.

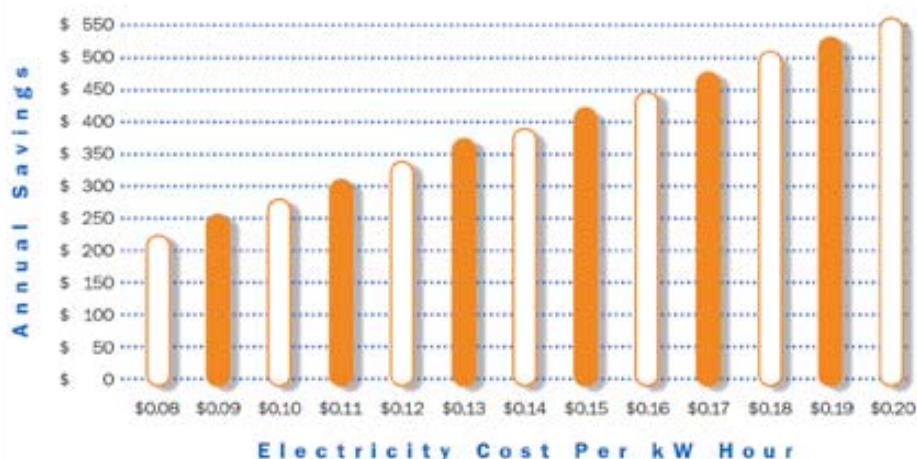
Working with Oak Ridge National Laboratories and the utility industry, ECR has successfully tested the **Watter\$aver** for extensive reliability and endurance, and is now ready for market release.

The Watter\$aver Opportunity

About half of all domestic water heating is done using electric resistance storage water heaters. The most efficient electric water heaters have an Energy Factor (EF) of .95. By utilizing the heat in the ambient air the **Watter\$aver** attains a much higher EF rating of 247, nearly three times as efficient as the most efficient electric water heaters. Due to this efficiency gain the **Watter\$aver** pays for itself within 2 to 5 years.



Watter\$aver Estimated Annual Savings



Based on 64.3 gallons per day usage (DOE national average), 60°F ambient air temperature and 95% operation in heat pump mode (5% electric mode)

The *higher* the electric rate, the *quicker* the payback

WATTER\$AVER DESIGN FEATURES

- Full "drop-in" replacement for 50 gallon electric water heater with:
 - Same footprint
 - Identical electrical hookup
 - No additional plumbing requirement
- EF Rating = 2.47
- Designed for single trade installation.
- Uses refrigeration compressor – robust, proven, inexpensive, and compact, yet sufficient capacity for meeting most water heating demands. Auxiliary electric elements provide quicker recovery when demand requires
- No pumps required
- Heat pump unit shipped fully charged and operational
- Design employs a conventional hot water tank; simply make plumbing connections and electrical hook-ups.
- Can be installed virtually anywhere:
 - Basements
 - Closets
 - Garages
 - Conditioned spaces
- Condensate-free option available
- Quiet Operation
- Typical payback from 2-5 years (dependent upon kWh rates and water usage)

■ **7-Year Warranty
On Tank and Heat Pump**



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The WatterSaver will be available through these ECR International divisions:

Dunkirk Boilers: ■ Phone: 877.386.5475 ■ Fax: 716.366.1209
EMI: ■ Phone: 800.228.9364 ■ Fax: 800.232.9364
Utica Boilers: ■ Phone: 800.325.5479 ■ Fax: 315.797.3762



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